

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 1    | "10576940"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR               | OFF     | 2008/03/06<br>09:51 |
| S2    | 2    | ("5329095").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR               | OFF     | 2008/03/06<br>09:53 |
| S3    | 32   | ("4943234").PN. OR<br>("5329095").URPN.                                     | US-PGPUB;<br>USPAT; USOCR   | OR               | OFF     | 2008/03/06<br>09:55 |
| S4    | 0    | 2003-257958   | JPO   | OR               | OFF     | 2008/03/06<br>10:04 |
| S5    | 1    | "2003257958"  | JPO   | OR               | OFF     | 2008/03/06<br>10:04 |
| S6    | 13   | tokyo adj electron.as. and<br>wafer adj boat same quartz                    | JPO   | OR               | OFF     | 2008/03/06<br>10:38 |
| S7    | 12   | S6 and (@ad<="20031024"<br>@rlad<="20031024")                               | JPO   | OR               | OFF     | 2008/03/06<br>10:38 |
| S8    | 215  | tokyo adj electron.as. and<br>wafer adj boat same quartz                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/03/06<br>10:38 |
| S9    | 12   | S8 and (@ad<="20031024"<br>@rlad<="20031024")                               | JPO   | OR               | OFF     | 2008/03/06<br>10:39 |
| S10   | 11   | applied adj materials.as. and<br>wafer adj boat same quartz                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/03/06<br>10:42 |
| S11   | 0    | S10 and (@ad<="20031024"<br>@rlad<="20031024")                              | JPO   | OR               | OFF     | 2008/03/06<br>10:42 |
| S12   | 34   | (tokyo adj electron.as.) and<br>wafer adj boat same cool\$3<br>same heat\$3 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/03/06<br>10:43 |
| S13   | 2    | S12 and (@ad<="20031024"<br>@rlad<="20031024")                              | JPO   | OR               | OFF     | 2008/03/06<br>10:43 |

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| S14 | 0   | (applied adj materials.as.) and<br>wafer adj boat same cool\$3<br>same heat\$3  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>10:45 |
| S15 | 147 | wafer adj boat same cool\$3<br>same heat\$3   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>10:56 |
| S16 | 14  | S15 and (@ad<="20031024"<br>@rlad<="20031024")  | JPO   | OR | OFF | 2008/03/06<br>10:57 |
| S17 | 218 | (tokyo adj electron.as.) and<br>wafer adj boat same (flange<br>cover lid)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>11:00 |
| S18 | 11  | S17 and (@ad<="20031024"<br>@rlad<="20031024")  | JPO   | OR | OFF | 2008/03/06<br>11:00 |
| S19 | 2   | "5368648".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>11:05 |
| S20 | 47  | ("2726882"   "3116932"  <br>"3144035"   "3328039"  <br>"4372565"   "4487161"  <br>"4513978"   "4561662"  <br>"4641603"   "4726689"  <br>"4840139"   "5016567"  <br>"5133561"   "5133986").PN.<br>OR ("5368648").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>11:07 |
| S21 | 28  | ("20010017294"   "2391970"  <br>"3223498"   "3541293"  <br>"3658585"   "3868106"  <br>"4040372"   "4588660"  <br>"4591374"   "4920917"  <br>"5028250"   "5248349"  <br>"5368648"   "5372646"  <br>"5413671"   "5470397"  <br>"5536333"   "5589007"  <br>"5614249"   "5772715"  <br>"5921559"   "5938851"  <br>"5945163"   "6037241"  <br>"6236021").PN. OR<br>("6719848").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>11:29 |
| S22 | 5   | ("5133561"   "5368648"  <br>"5533736").PN. OR<br>("6283175").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>11:42 |

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| S23 | 50 | ("2248385"   "2726882"  <br>"2888879"   "3116932"  <br>"3144035"   "3328039"  <br>"3699298"   "3817540"  <br>"4146237"   "4361335"  <br>"4372565"   "4406458"  <br>"4513978"   "4561662"  <br>"4565378"   "4641603"  <br>"4726689"   "4735421"  <br>"4799692"   "4896890"  <br>"4950870"   "5133561"  <br>"5230521"   "5240263"  <br>"5308955"   "5329095"  <br>"5359148"   "5368648").PN.<br>OR ("5533736").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>11:45 |
| S24 | 32 | ("4943234").PN. OR<br>("5329095").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>11:57 |
| S25 | 23 | ("4926793"   "5029554"  <br>"5127365"   "5171972").PN.<br>OR ("5308955").URPN.   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>12:32 |
| S26 | 29 | (US-6589349-\$ or US-6259061-<br>\$ or US-6190460-\$ or US-<br>5942038-\$ or US-5368648-\$ or<br>US-6988886-\$ or US-6805201-<br>\$ or US-6719848-\$ or US-<br>5921559-\$ or US-6435775-\$ or<br>US-6338491-\$ or US-5533736-<br>\$ or US-5329095-\$ or US-<br>6444940-\$ or US-5884917-\$ or<br>US-5308955-\$ or US-6101844-<br>\$ or US-5903711-\$ or US-<br>4799692-\$ or US-4641603-\$ or<br>US-5133561-\$ or US-6000422-<br>\$ or US-5632820-\$ or US-<br>5578132-\$.did. or (JP-<br>2002313787-\$ or JP-<br>2002299269-\$ or JP-04005820-<br>\$ or JP-2000114193-\$ or JP-<br>09082656-\$.did. | USPAT; JPO  | OR | OFF | 2008/03/06<br>12:52 |
| S27 | 8  | S26 and (flange lid cover)<br>same quartz same (metal steel<br>stainless)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>12:53 |
| S28 | 2  | "5329095".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:04 |

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| S29 | 32 | (tokyo adj electron.as.) and<br>(flange lid cover) same mirror<br>adj finish\$3 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:10 |
| S30 | 0  | S29 and (@ad<="20031024"<br>@rlad<="20031024")                                  | JPO   | OR | OFF | 2008/03/06<br>13:10 |
| S31 | 10 | S29 and (@ad<="20031024"<br>@rlad<="20031024")                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:10 |
| S32 | 6  | tokyo adj electron.as. and<br>wafer adj boat and boss                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:34 |
| S33 | 6  | S32 and (@ad<="20031024"<br>@rlad<="20031024")                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:35 |
| S34 | 10 | tokyo adj electron.as. and<br>wafer adj boat and flange<br>same resin           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/03/06<br>13:41 |
| S35 | 10 | S34 and (@ad<="20031024"<br>@rlad<="20031024")                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>13:42 |
| S36 | 5  | tokyo adj electron.as. and<br>wafer adj boat and (pan tray)<br>same liquid      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/03/06<br>14:10 |
| S37 | 5  | S36 and (@ad<="20031024"<br>@rlad<="20031024")                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>14:11 |

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| S38 | 11 | ("5054210"   "5142873"   "5246023"   "5369891"   "5443540"   "5520744").PN.<br>OR ("5671544").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/03/06<br>14:13 |
| S39 | 7  | tokyo adj electron.as. and<br>(resin same insert)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/03/06<br>14:17 |
| S40 | 7  | S39 and (@ad<="20031024"<br>@rlad<="20031024")  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/06<br>14:17 |
| S41 | 2  | "5329095".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | OFF | 2008/03/07<br>06:28 |
| S42 | 2  | "6283175".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | OFF | 2008/03/07<br>07:28 |
| S43 | 1  | "10576940"  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | OFF | 2008/03/07<br>08:27 |
| S44 | 2  | "6283175".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | OFF | 2008/06/06<br>15:00 |
| S45 | 3  | tokyo adj electron.as. and<br>wafer adj boat and Boss same<br>(vacuum hole aperture pipe)           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO                         | OR | OFF | 2008/06/06<br>15:12 |
| S46 | 0  | S45 and (@ad<="20031024"<br>@rlad<="20031024")  | JPO   | OR | OFF | 2008/06/06<br>15:12 |
| S47 | 8  | ("5016567"   "5127365"   "5324540").PN. OR<br>("6030457").URPN.                                     | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2008/06/06<br>15:16 |

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| S48 | 9   | ("5016567"   "5484484"  <br>"5750436"   "6030457"  <br>"6235121"   "6403926"  <br>"6448536"   "6527865").PN.<br>OR ("6712909").URPN. | US-PGPUB;<br>USPAT; USOCR                       | OR | OFF | 2008/06/06<br>15:18 |
| S49 | 4   | ("5960158"   "6172337").PN.<br>OR ("6403926").URPN.  | US-PGPUB;<br>USPAT; USOCR                       | OR | OFF | 2008/06/06<br>15:21 |
| S50 | 23  | ("5016567"   "5116784").PN.<br>OR ("5750436").URPN.  | US-PGPUB;<br>USPAT; USOCR                       | OR | OFF | 2008/06/06<br>15:25 |
| S51 | 4   | wafer adj boat and Boss same<br>(vacuum hole aperture pipe)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO | OR | OFF | 2008/06/06<br>15:38 |
| S52 | 0   | S51 and (@ad<="20031024"<br>@rlad<="20031024")   | JPO   | OR | OFF | 2008/06/06<br>15:38 |
| S53 | 688 | process\$3 adj (chamber<br>apparatus) and Boss same<br>(vacuum hole aperture pipe)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO | OR | OFF | 2008/06/06<br>15:48 |
| S54 | 1   | S53 and (@ad<="20031024"<br>@rlad<="20031024")   | JPO   | OR | OFF | 2008/06/06<br>15:48 |
| S55 | 1   | "6030457".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; JPO               | OR | OFF | 2008/06/06<br>15:58 |

6/ 6/ 2008 5:03:17 PM

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